



**Section 2. PLANT SURVIVAL**

**Attach plan sheet indicating reference photos.**

Identify specific problem areas (missing, stressed, damaged or dead plantings):

The buffer area upstream of the church driveway culvert (Photo Points 1 through 4) has continued to be mowed. The Residence Office plans to notify the church again about not mowing this area. Planted vegetation is minimal along this section of the stream relocation.

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Estimated causes, and proposed/required remedial action: Some additional planting of pussy willow and redtip dogwood was completed downstream of the church driveway culvert. The entire site should be completely planted by December 2008.

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ADDITIONAL COMMENTS: The initial planted vegetation consisted of black willow, silky dogwood, black cherry, sycamore, green ash, and white oak. Pussy willow and redtip dogwood were surviving downstream of the church driveway culvert. Other vegetation noted onsite consisted of goldenrod, *Juncus* sp., jewelweed, tear-thumb, ragweed, Queen Ann's Lace, mimosa, pokeberry, and various grasses.

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If required to complete Level 1 and Level 2 monitoring only stop here; otherwise, complete section 3.

### Section 3. CHANNEL STABILITY

**Visual Inspection:** The entire stream project as well as each in-stream structure and bank stabilization/revetment structure must be evaluated and problems addressed.

Report on the visual inspection of channel stability. Physical measurements of channel stability/morphology will not be required. Include a discussion of any deviations from as-built and an evaluation of the significance of these deviations and whether they are indicative of a stabilizing or destabilizing situation.

This is the Year 1 Summer evaluation for the UT Hiwassee River stream relocation. A few of the crossvanes continue to have water piping under them, however, the crossvanes are stable. Water is still piping under ground below the driveway culvert due to the blasting that took place during construction to relocate the stream. NCDOT will continue to monitor this stream relocation.

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Date Inspected 8/13/08	Station 13+20 PP#7 Downstream Photo	Station 13+00 PP#8 Upstream Photo	Station 13+40 to 13+80 Between PP#5 and PP#6	Station Number	Station Number
Structure Type	Crossvane	Crossvane			
Is water piping through or around structure?	Water piping under crossvane	Water piping under crossvane	Water piping bypassing stream bed underground where blasting took place		
Head cut or down cut present?					
Bank or scour erosion present?					
Other problems noted?					



# UT Hiwassee River



Photo Point #1 (Upstream)



Photo Point #1 (Downstream)



Photo Point #2 (Upstream)



Photo Point #2 (Downstream)



Photo Point #3 (Upstream)



Photo Point #3 (Downstream)

Year 1 Summer – August 2008



# UT Hiwassee River



Photo Point #4 (Upstream)



Photo Point #4 (Downstream)



Photo Point #5 (Upstream)



Photo Point #5 (Downstream)



Photo Point #6 (Upstream)



Photo Point #6 (Downstream)

Year 1 Summer – August 2008



# UT Hiwassee River



Photo Point #7 (Upstream)



Photo Point #7 (Downstream)



Photo Point #8 (Upstream)



Photo Point #8 (Downstream)



Photo Point #9 (Upstream)

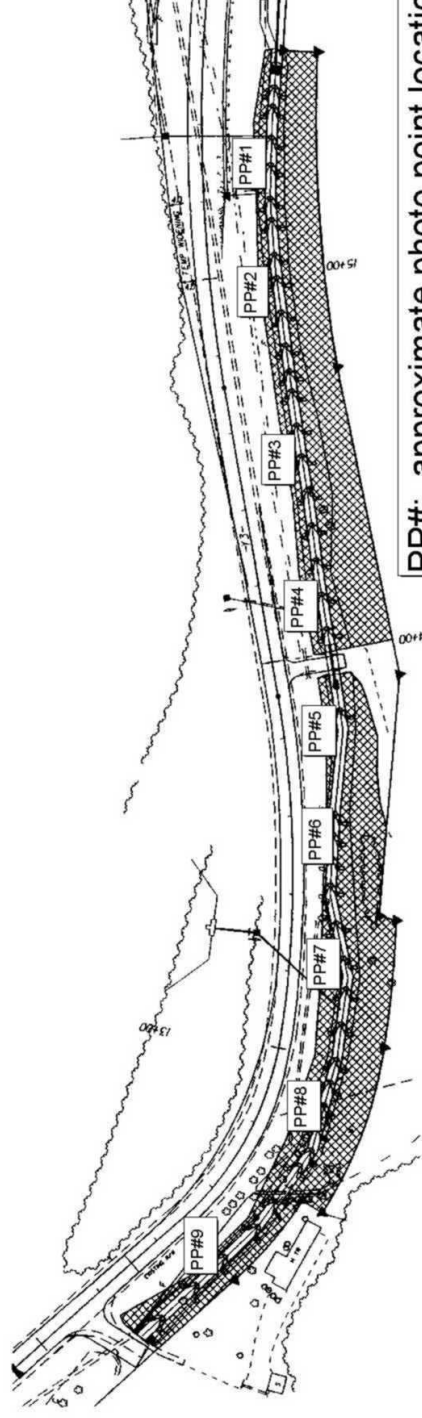


Photo Point #9 (Downstream)

Year 1 Summer – August 2008



UT Hiwassee River  
R-977A  
Cherokee County



PP#: approximate photo point locations